

From: Hoch, Kevin [Kevin.Hoch@aptim.com]

Sent: Tuesday, June 2, 2020 10:14 AM

To: Larson, Leo M CTR (USA) [leo.m.larson.ctr@navy.mil]; McFadden, Patricia A CIV USN (USA) [patricia.a.mcfadden@navy.mil]; Delong, Douglas E CTR USN COMNAVFACENGCOM DC (USA) [douglas.delong.ctr@navy.mil]; Naimi, Hamidullah CTR NAVFAC SW, ROICC5 [hamidullah.naimi.ctr@navy.mil]; Roddy, Elizabeth A CIV USN NAVFAC SW SAN CA (USA) [elizabeth.rodgy@navy.mil]; Liscio, Matthew P CIV USN NAVSEA DET RASO VA (USA) [matthew.liscio@navy.mil]; Mabb, Karen T CIV USN NAVFAC SW SAN CA (USA) [karen.mabb1@navy.mil]; Harbin-Ireland, Angie (angie.harbin-ireland@woodplc.com) [angie.harbin-ireland@woodplc.com]; Jensenj1@battelle.org; berry@battelle.org; chi@battelle.org; peter.loveridge@errg.com; Click, James [james.click@aptim.com]; Ayala, Mike [Mike.Ayala@aptim.com]; Hanelt, Norm [Norm.Hanelt@aptim.com]; Kalombo, Eddie [eddie.kalombo@aptim.com]; Killpack, Randall [randall.killpack@aptim.com]; Lightner, Michael [michael.lightner@aptim.com]; Chao, Owen [Owen.Chao@aptim.com]; Egan, Mark [mark.egan@aptim.com]; Schul, Raymond [raymond.schul@aptim.com]; Orloff, Ken (CFS) [ken.orloff@aptim.com]; jchoynowski@ecmconsults.com; jrdelpo.415 [(b) (6)] James Rossi [jrossi@ecmconsults.com]; Johnson, Nels [Nels.Johnson@aptim.com]

CC: Fielding, Daniel [daniel.fielding@aptim.com]

Subject: [Non-DoD Source] HPNS Parcel E Phase 1 and Phase 3 Weekly CQC Meetings

Attachments: D2005 CTO 0024 Project QC Meeting No. 023 Parcel E Phase 1 Agenda 2020-0602.pdf; D0006 CTO 4761 Project QC Meeting 008 Parcel E Phase 3 060220 Agenda.pdf

Good Morning-

Attached are the materials for the weekly CQC meetings for Parcel E Phase 1 and Phase 3.

Regards,

Kevin

Kevin Hoch

Quality Control Manager

APTIM | APTIM Federal Services LLC

O 925.288.2008

M 415.572.1814

E kevin.hoch@aptim.com



4005 Port Chicago Hwy, Suite 200
Concord, California 94520

Project QC Meeting #008 Agenda (06/02/2020)
Parcel E Remedial Action – Phase 3
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-17-D-0006 CTO 4761

Call-in number: (b) (4)

Start: 1120

End:

Safety Topic: Civil disobedience

Old Business

Submittals

- Submittal 001 - Rebar for Seawall
 - Submitted to Navy for informational purposes only on 2/17/20
- Submittal 002 – Shoring Design
 - Approved by Navy on 03/24/20
- Submittal 003 – Slurry Mix Design
 - Approved by Navy on 02/27/20
- Submittal 004 – Import Fill (Stanford Pile)
 - Approved by Navy on 03/24/20
- Submittal 005 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
 - Approved by Navy on 03/24/20
- Submittal 006 – Rip Rap Armor Stone (Product data sheets/test reports)
 - Approved by Navy 5/18/20
- Submittal 007 – Slurry Wall Implementation Plan
 - Approved by Navy 5/18/20
- Submittal 008 – Filter Fabric Product Data
 - Submitted to Navy on 6/01/20
 - Note that product data was also submitted for informational purposes for the Geogrid Reinforcement required for armored revetment at IR02 NW (the project specs for which *do not* require government approval)

New Business

Status of Work

- Continued topographic survey
- Completed clearing surface debris, IR02 Northwest Slurry Wall and rough cut of working platform
- Continued Surface Debris Radiological Characterization
- Completed shoreline excavations:
 - EX02NSL03
 - EX02NSL04
- Collected post-excavation confirmation samples
- Relocated IR02 Control Point
- Received sheet pile, completed incoming scans on all pile
- Completed initial gamma-walkover survey at slurry wall batch plant location

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- Completed water line and water tank install for slurry wall batch plant
- Site maintenance ongoing (BMPs, fencing, etc.)
- Ongoing upwind and downwind continuous air monitoring, as well as work area real-time dust monitoring using personal data RAMs (pDRs)

Navy QA Oversight Update

- Biologists
- UXO
- RAD

Visitors

- Hamid Naimi – Navy ROICC
- Doug DeLong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Dave McMurdo – Bellecci
- Tim Hughes – BB Hughes Construction
- Luis Gonzalez – JRM
- Ted Bostic – Road Machinery
- Matthew Cassan – Road Machinery

Work to be accomplished the remainder of this week

- Install Sheet Pile Wall along IR-02 Northwest slurry wall alignment
- Continued Surface Debris Radiological Characterization
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

Work to be accomplished in the next two weeks (See attached 2-week look ahead)

- Complete installation of Sheet Pile Wall along IR-02 Northwest slurry wall alignment
- Radiological Screening of Surface Debris
- Set-up & Prep S3 for pre-operational testing
- Mobilize Slurry Wall Equipment
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

Inspections

Preparatory

- None

Initial

- None

Follow-up

- Dust Control and Air Monitoring
- Radiological Controls
- Topographical Survey

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- Clear and characterize IR02 Shoreline Debris
- Install IR02-NW Shoring, Working Platform
- UXO Construction Oversight
- Initial Radiological Survey
- Shoreline Excavation, Waste, Stockpile Activities
- Confirmation Sampling

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

- None

Comments/Questions

Current Week and Two Week Look Ahead*

Parcel E Remedial Action – Phase 3
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-17-D-0006 CTO 4761

06/01/2020 Monday	06/02/2020 Tuesday	06/03/2020 Wednesday	06/04/2020 Thursday	06/05/2020 Friday	06/06/2020 Saturday	06/07/2020 Sunday
<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Rad Controls and support (all week)• UXO support (all week)• Air monitoring (all week)• BMP Inspection/ site maintenance (Daily)	<ul style="list-style-type: none">• Weekly CQC Meeting• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02	No fieldwork
06/08/2020 Monday	06/09/2020 Tuesday	06/10/2020 Wednesday	06/11/2020 Thursday	06/12/2020 Friday	06/13/2020 Saturday	06/14/2020 Sunday
<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4• Rad Controls and support (all week)• UXO support (all week)• Air monitoring (all week)• BMP Inspection/ site maintenance (Daily)	<ul style="list-style-type: none">• Weekly CQC Meeting• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02	<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02	No fieldwork
06/15/2020 Monday	06/16/2020 Tuesday	06/17/2020 Wednesday	06/18/2020 Thursday	06/19/2020 Friday	06/20/2020 Saturday	06/21/2020 Sunday
<ul style="list-style-type: none">• Install Sheet Pile Wall along IR-02 (if necessary)• Clear and Grub, Clear Surface Debris in EOS-1, EOS-2, & EOS-4• Rad Controls and support (all week)• UXO support (all week)• Air monitoring (all week)• BMP Inspection/ site maintenance (Daily)• Set-up & Prep S3 for POT	<ul style="list-style-type: none">• Weekly CQC Meeting• Install Sheet Pile Wall along IR-02 (if necessary)• Clear and Grub, Clear Surface Debris in EOS-1, EOS-2, & EOS-4• Set-up & Prep S3 for POT• Mobilize Slurry Wall Equipment	<ul style="list-style-type: none">• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4• Set-up & Prep S3 for POT• Setup Slurry Wall Equipment	<ul style="list-style-type: none">• Large Debris Radiological Screening in EOS-1, EOS-2, & EOS-4• Set-up & Prep S3 for POT• Setup Slurry Wall Equipment	<ul style="list-style-type: none">• Setup Slurry Wall Equipment	No fieldwork	No fieldwork

*Subject to change based on field conditions

Project QC Meeting #023 Agenda (06/02/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-2005 CTO 0024

Call-in number: (b) (4)

Start: 1100

End:

Safety Topic: Civil disobedience

Old Business

Field Change Requests (FCR)

- 001: Existing SS/SD lines in RA excavations – Navy Approved (05/01/20)
- 002: ISO-Pacific Soil Sorting System (S3) Proof of Concept Demonstration.
 - Approval was received by APTIM on 12/31.
- 003: Former SS/SD trenches in RA excavations - **In Navy review**
- 004: Excavation Dewatering - Navy approved 3/12
- 005: Addition of back-up laboratory (Enthalpy) to expedite TAT –Navy RPM approved 3/12/2020. SAP addendum (FCR) submitted 3/13/2020 to QAO. 4/17/20 – canceled as Enthalpy lab closed (permanently out of business)
- 006: Impacts of the radiological rework areas on non-excavation, intrusive RA activities (i.e. well installation/decommissioning, GW injections, and soil gas surveys). APTIM prepared draft FCR; but on hold as need Navy to confirm extent of rework areas and potential limitations to planned Phase 1 RA work outside of IR-02 to identify impacts. – **on hold**

Submittals

- Submittal 001 – Import Fill (Stanford Pile)
 - Approved by Navy on 12/19/19; CDPH 01-08-2020
- Submittal 002 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
 - Approved by Navy on 02/27/2020

New Business

Status of Work

- Continued land survey (excavation footprint)
- Continued transferring soil to stockpiles
- Conducted pre-excavation gamma-walkover surveys
- Continued excavations:
 - EX02B122B_R1 and R2
 - Much debris (wood, metal, etc)
- Completed excavations
 - EX02B401
 - Backfilled shoreline area with course sand
 - EX02B412
- Started excavation EX02B456
- Completed over excavations where confirmation sample results exceeded Tier 2 criteria
 - EX02B461 (west sidewall)
 - EX02B100 (east sidewall)

Project QC Meeting #023 Agenda (06/02/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-2005 CTO 0024

- EX02MW149 (north sidewall)
- EX02GR93SW (north sidewall)
 - Found LLRO in 1st lift (metal strip)
- Site maintenance (BMPs, fencing, etc.)
- Sanitized all equipment daily
- Conducted upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).

Analytical Results

- See attached, new results are highlighted

Navy QA Oversight Update

- Biologists
- UXO
- RAD

Visitors

- Hamid Naimi – Navy ROICC
- Doug Delong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Chris Perry - BioMaAS
- Dave McMurdo – Bellecci
- Luis Gonzalez – JRM

Work to be accomplished the remainder of this week

- Continue excavation EX02B122B_R1 and R2 (ESS/RAD)
- Complete excavations:
 - EX02B456
 - EX02B288
 - EX02GR184SW
 - EX02SS310
- Conduct post-excavation sampling
- Waste stockpiling
- Receive import fill
- Construct decon pad
- Air monitoring, site maintenance (BMPs, fencing, etc.)

Work to be accomplished in the next two weeks (See attached 2-week look ahead)

- Continue excavations in EOS-01 and EOS-2
- Conduct backfilling of excavations as appropriate
- Screen excavated soil to 6-inch minus
- Load, place and scan soil on RSY Pads

Project QC Meeting #023 Agenda (06/02/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
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- Conduct upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).
- Site maintenance (BMPs, fencing, etc.)

Inspections

Preparatory

- None

Initial

- None

Follow-up

- Debris Removal-Vegetation Clearance
- Dust Control and Air Monitoring
- Radiological Controls
- UXO Construction Oversight
- Soil Excavations
- Initial Radiological Surveys, RSY Pads
- Backfill and compaction
- Equipment decontamination

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

Comments/Questions

Analytical Results
Final Confirmation Soil Samples
Remedial Action at Parcel E - Phase 1
Hunters Point Naval Shipyard, San Francisco, California
Contract N62473-12-D-2005 CTO 0024

Excavation ID	Date Sampled	Meets Tier 2 Criteria	Chemicals of Concern	Comments
EX02B398	05/20/20	Y	Lead	Ready for backfill
EX02B461	05/14/20	N	Benzo(a)pyrene Benzo(b)fluoranthene	B(a)P (2.4mg/kg) exceeds T2 (1.7mg/kg) in west sidewall
EX02B100	5/14/20	N	Aroclor-1260	AR1260 (10mg/kg) exceeds T2 (3.7mg/kg) in sidewall SW-03
EX02GR93SW (EOS-1)	5/14/20	N	Copper, Lead, TPH	Lead (1,300mg/kg, T2=1,300) TPH (11,903mg/kg, T2=3,500mg/kg) exceed T2 in sidewall SW-01-2.5
EX02MW149	5/14/20	N	Arsenic, Lead, Benzo(a)pyrene (BaP)	BaP (1.7mg/kg) exceeds T2 criteria (1.7mg/kg) in sidewall SW-02
EX02B122E	5/13/20	N	Lead, Aroclor-1260, Dieldrin	Aroclor-1260 (12mg/kg) exceeded T2 criteria (3.7mg/kg) in floor sample
EX02B403	5/13/20	Y	Manganese	Ready for backfill
EX02B405	5/6/20	Y	Zinc	Ready for backfill
EX02B442	5/6/20	Y	Aroclor-1260	Ready for backfill
EX36B015	11/22/19	Y	Copper, Mercury, TPH	Backfill complete
EX36B033	11/22/19	Y	Copper, Mercury, TPH	Backfill complete
EX36B163	11/22/19	N	alpha-BHC (pest.), copper, mercury	1 sidewall exceeded Tier 2 criteria for Cu. Plan to conduct step-out excavation. ^a
EX36B116	11/25/19	Y	SVOCs	Backfill complete
EX04B030 – Pre- characterization	12/10/19	N		
			PCBs, metals	3 sidewalls exceeded Tier 2 criteria. Plan to extend excavation on 3 sides to 2 feet beyond pre-characterization locations.
EX13B007	12/10/19	N	PCBs	
				PCB above limit in 3 sidewalls
EX72SS23	12/10/19	Y	Zinc	Backfill complete
EX01SS350	12/10/19	N	PCBs	PCB above limit in all 4 sidewalls and bottom

Analytical Results
Final Confirmation Soil Samples
Remedial Action at Parcel E - Phase 1
Hunters Point Naval Shipyard, San Francisco, California
Contract N62473-12-D-2005 CTO 0024

EX56B021	12/30/19	Y	Mercury	Backfill complete

Notes:

Table presents confirmation sample results unless otherwise noted.

^a Sidewall will be over-excavated 2-feet back from the original sidewall and laterally (10-feet maximum on each side of confirmation sample location). A confirmation sample will collected at the same depth as the original confirmation sample and analyzed for the constituent that exceeded Tier 2 criteria in the original confirmation sample.

Floor will be over-excavated 1-foot deeper and laterally (2.5-feet in each direction from the original confirmation sample location). A confirmation sample will collected at the same location as the original confirmation sample and analyzed for the constituent(s) that exceeded Tier 2 criteria in the original confirmation sample. **Unless an additional step-down excavation extends the original planned excavation depth to below 5 feet, additional sidewall samples are not required and only a replacement bottom sample will be collected.**

See Section 8.3.6 of RAWP and Section 17.1.2 of the SAP

Current Week and Two Week Look Ahead*

Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-0005 CTO 0024

06/01/2020 Monday	06/02/2020 Tuesday	06/03/2020 Wednesday	06/04/2020 Thursday	06/05/2020 Friday	06/06/2020 Saturday	06/07/2020 Sunday
<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD): <ul style="list-style-type: none"> ◦ EX02B456 ◦ EX02B122B • Post excavation sampling • Waste stockpiling • Backfilled excavation: <ul style="list-style-type: none"> ◦ EX02B398 • Rad Controls and support (all week) • UXO support (all week) • Air monitoring (all week) • BMP Inspection/site maintenance (Daily) 	<ul style="list-style-type: none"> • Weekly CQC Meeting • Continue excavations: EOS-01 (ESS/RAD): <ul style="list-style-type: none"> ◦ EX02B456 ◦ EX02B122B • Pre-Excavation GWS • Start excavations: EOS-01 (ESS/RAD): <ul style="list-style-type: none"> ◦ EX02GR184SW ◦ EX02SS310 ◦ EX02B415 • Import fill material • Begin backfilling excavations: <ul style="list-style-type: none"> ◦ EX02B403 ◦ EX02B405 ◦ EX02B442 • Post excavation sampling • Waste stockpiling 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD) • Continue backfilling • Post excavation sampling • Waste stockpiling 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD) • Continue backfilling • Post excavation sampling • Waste stockpiling 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD) • Continue backfilling • Continue backfilling • Post excavation sampling • Waste stockpiling 	No fieldwork	No fieldwork
06/08/2020 Monday	06/09/2020 Tuesday	06/10/2020 Wednesday	06/11/2020 Thursday	06/12/2020 Friday	06/13/2020 Saturday	06/14/2020 Sunday
<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling • Waste stockpiling • Rad Controls and support (all week) • UXO support (all week) • Air monitoring (all week) • BMP Inspection/site maintenance (Daily) • Setup Screening Plant 	<ul style="list-style-type: none"> • Weekly CQC Meeting • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling • Waste stockpiling • Screen Excavated Soil 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	No fieldwork	No fieldwork
06/15/2020 Monday	06/16/2020 Tuesday	06/17/2020 Wednesday	06/18/2020 Thursday	06/19/2020 Friday	06/20/2020 Saturday	06/21/2020 Sunday
<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Rad Controls and support (all week) • UXO support (all week) • Air monitoring (all week) • BMP Inspection/site maintenance (Daily) • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Weekly CQC Meeting • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	<ul style="list-style-type: none"> • Pre-Excavation GWS • Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) • Post excavation sampling • Waste stockpiling • Screen Excavated Soil • Load, Place, & Scan Soil on RSY Pads 	No fieldwork	No fieldwork

*Subject to change based on field conditions and pending resolution of FCRs